

SOV/137-58-9-18667

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 73 (USSR)

AUTHORS: Babiy, A.S., Sapiro, D.I., Zhmak, S.I., Kravtsov, G.Ye.

TITLE: On the Causes for the Formation of Cracks in Tube Ingots (K voprosu o prichinakh obrazovaniya treshchin na trubnykh slitkakh)

PERIODICAL: V sb.: Staleplavil'n. proiz-vo. Moscow, Metallurgizdat, 1958, pp 115-126

ABSTRACT: A statistical analysis of data from melt data sheets is used to determine the influence of the major procedural factors upon rejection of tube ingots due to longitudinal cracks. The following factors contribute to crack formation: After-teeming of molten pig iron, which gives rise to an increase in the temperature of the metal upon tapping (rejects from such heats come to 10.1%, 6.2% being due to cracks); an increase in the duration of the pure boil period; and increase in metal temperature. 0.85-1.1 kg Al/t for steel deoxidation, [S] within the limits investigated (0.028-0.043%), and the Mn/S ratio do not affect the quantity of cracks in ingots. Cracks form primarily as the result of failure of the linear rate of filling of the molds with metal to

Card 1/2

SOV/137-58-9-18667

On the Causes for the Formation of Cracks in Tube Ingots

correspond to their temperature. It is found that the temperature of the metal on tapping should be 1510-1520°C in the runner (pyrometer reading), the pure boil should last <50 min, and pouring rate should be 0.15-0.20 m/min. Substitution of bunker oil for carbonaceous lacquer as the mold coating reduces ingot rejects almost 50%. Fe-Ti proved to be effective in the deoxidation of the metal. To prevent the formation of hot cracks in round ingots due to the erosion of globulite skin and the uneven distribution of metal temperature across the ingot cross section (due to a nonvertical direction of the stream on emerging from the buffer brick) it is recommended that a stream-equalizing nozzle be employed.

L.K.

1. Steel tubing--Fracture
2. Data--Statistical analysis

Card 2/2

ZHMAKIN, A.N., inzh.; KLEYN, P.N., inzh.

Guarantee of adequate safety in electroplating shops. Prom.  
energ. 20 no.12:24-25 D '65.

(MIRA 18:12)

*ZHMAKIN, A.S.*

ZHMAKIN, A.S., leytenant meditsinskoy slyzhby; NAUMCHIK, R.L., leytenant  
meditsinskoy sluzhby; ROMANOVA, T.K.

Treating epidermophytosis in the unit outpatient clinic. Voen.-med.  
zhur. no.7:82-83 J1 '57. (MIRA 11:1)  
(DERMATOMYCOSIS)

137-58-6-12654

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 211 (USSR)

AUTHORS: Zhmakin, D., Klanin, I., Postnikov, A.

TITLE: A Method of Establishing Firm Time Standards for Welding and Casting Operations (Metodika sozdaniya ukreplennykh normativov na svarochnyye i liteynyye raboty)

PERIODICAL: Sots.trud, 1957, Nr 8, pp 88-92

ABSTRACT: Methodological instructions prepared by the heavy-machinery VPTI for establishment of time standards based on motion study for welding and casting operations are presented. Consolidated time standards (TS) for welding jobs are developed on the basis of specific quotas for the component operations. Depending upon the degree of consolidation, the standards may fall into three categories: 1. TS for the complex of operations and change-overs performed by the welder. An example is given of the compilation of a TS for the complex of operations involving non-operative time in setting up an automatic welder at the start of a seam and shutting it off after the weld is made. 2. TS for actual working time only in welding one running meter of weld. All the elements of the unit-of-production time quota

Card 1/2



137-58-6-12654

A Method of Establishing Firm Time Standards for Welding (cont.)

are classified into two groups in accordance with the length of the weld and in accordance with the product and the operation of the equipment. 3. Standard quotas for "per-piece" time, developed on the basis of the standard production processes and time standards for component operations. Time quotas for casting operations are set on the basis of analysis and systematization of the results of stop-watch studies of the individual elements in the production process.

N.G.

1. Welding--Standards
2. Foundries--Standards
3. Labor--Performance
4. Industrial production--Standards

Card 2/2

GITLEVICH, A.D.; ZHIVOTINSKIY, L.A.; ZHMAKIN, D.F.; PAL'KEVICH, A.S., kand.tekhn. nauk, retsenzent; CHIKUNOV, A.I., inzh., retsenzent; TYURIN, V.F., inzh., red.; PETUKHOVA, G.N., red.izd-vz; MODEL', B.I., tekhn.red.

[Work standards based on technical data for welding engineering processes] Tekhnicheskoe normirovanie tekhnologicheskikh protsessov v svarochnykh tsakhakh. [By] A.D.Gitlevich i dr. Moskva, Mashgiz, 1962. 170 p. (MIRA 16:3)  
(Welding—Production standards)

GITLEVICH, A.D.; ZHMAKIN, D.F.; KLANIN, I.N., YAROVINSKIY, L.M., laureat  
Stalinskoy premii, retsenzent; KHISIN, R.I., redaktor; MATVEYEVA,  
Ye.N., tekhnicheskiy redaktor; POPOVA, S.M., tekhnicheskiy redaktor

[Technical standardisation of arc welding processes in machinery  
construction] Tekhnicheskoe normirovanie protsessov dugovoi elektro-  
svarki v mashinostroenii. Pod. red. R.I.Khisina. Moskva, Gos. nauchno-  
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(Electric welding)



KHISIN, R., ZHMAKIN, D.

Establishing technical standards for electric slag welding,  
Sots. trud 6 no. 1:89-98 Ja '61, (MIRA 14:1)  
(Electric welding--Producing standards)

ZHEVAIN, D.; KLANID, I.; POSTNIKOV, A.

Methods for establishing increased norms in welding and founding  
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(Welding--Production standards) (Founding--Production standards)

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GRINBERG, R.Ya., inzh., red.; SMIRNOVA, G.V., tekhn. red.

[General time norms used in the machinery industry for technical standardization of preparatory work on metal elements; small-lot and piece production] Obshcheyemashinostroitel'nye normativy vremeni dlia tekhnicheskogo normirovaniia zagotovitel'nykh rabot po metallokonstruktsiiam; melkoseriinoe i edinichnoe proizvodstvo. Moskva, Mashgiz, 1962. 102 p. (MIRA 15:12)

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(Machine-shop practice—Production standards)

Norman, D. F.

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lit-ry, 1954. 142 p. (55-27568)

TK4660.M 7

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MARTSINOVSKIY, P.L.; MOLOTOK, A.V.; NESMELOV, V.A.;  
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SOKHNOVSKIY, M.A., retsenzent; STEFANOV, V.P., retsenzent;  
STORozHEV, M.V., retsenzent; TALANOV, P.I., retsenzent;  
PAL'KEVICH, A.S., retsenzent; CHERNUSHEVICH, V.A., retsenzent;  
KHISIN, R.I., red.; GAL'TSOV, A.D., red.; VOL'SKIY, V.S., red.;  
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in 4 volumes] Spravochnik normirovshchika-mashinostroitelia v  
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painting, metal plating, and woodwork] Normirovanie liteinykh,  
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(Machinery industry—Production standards)



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220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036, 1037, 1038, 1039, 1040, 1041, 1042, 1043, 1044, 1045, 1046, 1047, 1048, 1049, 1050, 1051, 1052, 1053, 1054, 1055, 1056, 1057, 1058, 1059, 1060, 1061, 1062, 1063, 1064, 1065, 1066, 1067, 1068, 1069, 1070, 1071, 1072, 1073, 1074, 1075, 1076, 1077, 1078, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086, 1087, 1088, 1089, 1090, 1091, 1092, 1093, 1094, 1095, 1096, 1097, 1098, 1099, 1100, 1101, 1102, 1103, 1104, 1105, 1106, 1107, 1108, 1109, 1110, 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 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1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2

USSR / Human and Animal Physiology. Metabolism.

T

Abs Jour : Ref Zhur - Biol., No 15, 1958, No. 69778

Author : Zhmakin, I. K.

Inst : Not given

Title : The Reflex Mechanism of the Specific-Dynamic Action of Food

Orig Pub : Byul. eksperim. biol. i med., 1957, Vol 43, No 5, 39-42

Abstract : Studies were made of the features of specific-dynamic action of food in dogs following extirpation of the cortex of either one or both cerebral hemispheres using the method of determination of gas exchange recommended by Douglas and Haldane, and by Tsunts and Haldane. Removal of the cortex of one hemisphere led to a certain prolongation of the period of elevated O<sub>2</sub> consumption. The maximum O<sub>2</sub> consumption came on slightly earlier and was only slightly different in magnitude from that in the preoperative state.

Card 1/2



ZHMAKIN, I.K., kand.meditsinskikh nauk

B.F. Verigo, distinguished scientist. Zdrav. Belor. 6 no.8:73-74  
Ag '60. (MIRA 13:9)

1. Kafedra normal'noy fiziologii (zaveduyushchiy - professor N.I.  
Arinchin) Grodnenskogo meditsinskogo instituta.  
(VERIGO, BRONISLAV FORTUNATOVICH, 1860-1925)

ZHMAKIN, I.K. (Moskva)

Problem of participation of the cerebral cortex in the mechanism of action of adrenalin [with summary in English]. Probl. endok. i gorm. 3 no.6:22-25 N-D '57. (MIRA 11:3)

1. In kafedry normal'noy fiziologii, (zay.-chlen-korrespondent AN SSSR prof. B.A. Apratyayn) II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova (dir.-doktzent S.I.Milovidov).

(EPINEPHRINE, effects,

in cerebro-decorticated in dogs (Rus)

(CEREBRAL CORTIX, physiology,

eff. of excis. on eff. of epinephrine (Rus)

Shcheglov, I. A.

Dissertation: "Power System of an Electric Tractor." Cand Tech Sci, Power Engineering  
Inst imeni G. M. Krzhizhanovskiy, Acad Sci USSR, Moscow, Oct-Dec 53.  
(Vestnik Akademii Nauk, Moscow, Jun 54)

SO: SUM 313, 23 Dec 1954

ZHMAKIN, I.K.

Reflex mechanism of the specific dynamic action of food [with summary in English]. Biul.eksp.biol. i med. 43 no.5:39-42 My '57. (MIRA 10:10)

1. Iz kafedry normal'noy fiziologii (sav. - chlen-korrespondent AN SSSR prof. E.A.Astratyan) II Moskovskogo meditsinskogo instituta. Predstavlena deystvitel'nyy chlenom AMN SSSR P.K.Anokhinym.

(REFLEX

reflex mechanism of specific dynamic action of food,  
in dogs (Rus))

(FOOD

same)

ZHMAKIN, K.N., prof.

Ways of further decreasing stillbirths. Zdrav.Ros.Feder. 3  
no.8:31-34 Ag '59. (MIRA 12:11)

1. Iz kafedry akuшерства i ginekologii (nav. - prof.K.N.  
Zhmakin) I Moskovskogo ordena Lenina meditsinskogo instituta  
imeni I.M.Sechenova.

(STILLBIRTH)



ZHMAKIN, K. N.

PA 63/49T37

USSR/Medicine - Literature  
Medicine - Surgery

Feb 49

"Review of I. L. Braude's Book, 'Emergency Surgery  
in Obstetrics and Gynecology,'" K. N. Zhmakin, 3/4 p

"Akusher i Ginekol" No 2

Handbook for doctors telling what to do in case of  
injury, hemorrhage, etc., and for tumors or cancer.  
Published by Medgiz, 1947, 320 pp. This is a  
second printing and has expanded sections on path-  
ological gynecology and obstetrics.

63/49T37

ZHIMAKIN, K. N.

ZHIMAKIN, K. N.

Osnovnye momenty razvitiia problemy ratsional'nogo vedenia  
rodov v otechestvennom akusherstv. /Basic principles in the  
development of rational methods of labor conduction in Russian  
obstetrics/ Akush. gin. No. 3 May 50 p. 27-32

MAI

CLVL 19, 5, November 1950

ZHMAKIN, K.N.; VOLKOV, Ya.N.; RAPINA, M.M.

Caesarean section in contemporary gynecology. Akush. gin. no. 3:30-  
40 May-June 1952. (GLML 22:5)

1. Professor for Zhmakin; Candidate Medical Sciences for Volkov.
2. Moscow.

ZHUKIN, K. N., Prof.

Obstetrics

Results of a discussion on controversial questions in obstetrics, Akush. i gin. No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

ZHMAKIN, K.N.; STEPANOV, L.G., redaktor

[Outlines of obstetric pathology and surgical obstetrics; handbook for physicians] Ocherki akusherskoi patologii i operativnoe akusherstvo; posobie dlia vrachei, pod red. K.N.Zhmakina i L.G. Stepanova. Moskva, Medgiz, 1953. 589 p. (MLRA 7:7)  
(OBSTETRICS)



K. N. ZIMAKIN

Medical Instruments and Apparatus

Little-known I. P. Lazarevich's forceps, Akush. i gin. No. 1, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

ZHMAKIN, K.N., prof. (Moskva)

Clamping of the parametrium in controlling hypotensive post-partum hemorrhage. Akush. 1 gin. 40 no.2:41-46 Mr-Ap '64.  
(MIRA 17:11)

ABRAMYAN, A.Ya., prof.; BUSALOV, A.A., prof.; VELIKORETSKIY, A.N.,  
 prof.; GROZDOV, D.M., prof.; DORMIDONTOVA, K.V., dots.;  
 ZHMAKIN, K.N., prof.; KORNEV, P.G.; LEVIT, V.S. prof.  
 [deceased]; LIKHACHEV, A.G., prof.; LOBACHEV, S.V., prof.;  
 MOLODAYA, Ye.K., prof.; PETROV, B.A.; PRIOROV, N.N. [deceased];  
 SALISHCHEV, V.E., prof. [deceased]; SAPOZHKOVA, P.I., prof.  
 [deceased]; TERNOVSKIY, S.D. [deceased]; FAYERMAN, I.L., prof.,  
 zasl. deyatel' nauki; CHAKLIN, V.D.; CHENTSOV, A.G., prof.  
 [deceased]; CHERNAVSKIY, V., prof.; SHADURSKIY, K.S., prof.;  
 SHAKHBAZYAN, Ye.S., prof.; VELIKORETSKIY, A.N., prof.; red.;  
 GORELIK, S.L., dots., red.; YELANSKIY, N.N., red.; STRUCHKOVA,  
 V.I., red.; RYBUSHKIN, I.N., red.; BUL'DYAYEV, N.A., tekhn.  
 red.

[Surgeon's manual in two volumes] Spravochnik khirurga v dvukh  
 tomakh. Moskva, Medgiz. Vol.2. 1961. 642 p. (MIRA 17:4)

1. Chlen-korrespondent AMN SSSR (for Yelanskiy, Struchkova,  
 Petrov, Ternovskiy, Chaklin). 2. Deystvitel'nyy chlen AMN SSSR  
 (for Kornev, Priorov).

GURTOVOY, L.Ye., prof.[deceased]; IVANITSKAYA, Ye.P., doktor med. nauk; MAZHBITIS, A.M., prof.; PREYSMAN, A.B., prof.; STARTSEVA, L.N., kand. med. nauk; TRUYEVITSEVA, G.V., kand. med.nauk; SHUB, R.L., zasl. deyatel' nauki Latvyskoy SSR prof.; YAGUNOV, S.A., prof.[deceased]; PERSIANOV, L.S., prof., otv. red.; ZHMAKIN, K.N., prof., zasl. deyatel' nauki RSFSR, red.; RYABOV, G.Z., red.; ROMANOVA, Z.A., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Medgiz. Vol.4. Book 1. [General gynecology] Obshchaya ginekologiya. 1963. 674 p. (MIRA 16:9)

1. Chlen-korrespondent Akademii meditsinskikh nauk (for Yagunov, Persianinov).

(GYNECOLOGY)

ZHMAKIN, K.N.; OSTROVITYANOVA, L.V.

Experience in the activity of the Board of the Scientific  
Society of Obstetricians and Gynecologists of the R.S.F.S.R.  
and of the local societies. Akush. i gin. 39 no.4:141-142  
Jl-Ag'63 (MIRA 16:12)

ZEMAKIN, K. N., prof. (Moskva)

Application of the vacuum extractor in operative obstetrics. Akush.  
1 gin. no.3:4-10 '61. (MIRA 14:12)

(OBSTETRICS--APPARATUS AND INSTRUMENTS)

BULAVINTSEVA, A.I., kand. med. nauk; KAZANSKAYA, N.I., kand.med. nauk;  
KASHINSKIY, A.V., kand. med. nauk; LIPMANOVICH, S.G., kand.  
med. nauk; NARBUT, Ye.I., kand. med. nauk; POKROVSKIY, V.A.,  
zssluzhennyi deyatel' nauki RSFSR, prof.; ROMANOVSKIY, R.M.,  
kand. med. nauk; TUMANOVA, Ye.S., prof.; YAKOVLEV, I.I.,  
zasluzhennyi deyatel' nauki RSFSR, prof.; LANKOVITS, A.V., prof.,  
nauchnyy red.; PERSIANINOV, L.S., prof., otv. red.; BEKKER, S.M.,  
prof., red.; BELOSHAPKO, P.A., prof., red. [deceased]; ZIMAKIN,  
K.N., prof., red.; ZHORDANIA, I.F., prof., red.; LEBEDEV, A.A.,  
prof., red.; MANENKOV, P.V., prof., red.; STEPANOV, L.G., kand.  
med. nauk, red.; SYROVATKO, F.A., prof., red.; FIGURNOV, K.M.,  
prof., red.; PORAY-KOSHITS, K.V., red.; LANKOVITS, A.V., red.;  
SENCHILO, K.K., takhm. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe  
rukovodstvo po akusherstvu i ginekologii. Moskva, Gos.izd-vo  
med. lit-ry. Vol.6. 1961. 679 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
Persianinov, Boloshapko, Figurnov). (GYNECOLOGY, OPERATIVE)  
(OBSTETRICS—SURGERY)

ZHMAKIN, K.N., prof.

Work of the All-Russian medical Society of Midwives and Gynecologists  
during 1957-1960. Biul. Uch. med. sov. 2 no.1:31-33 Ja-F '61.

(MIRA 14:10)

(GYNECOLOGY)



ZHMAKIN, K.N.

Manual and instrumental examination of the uterine cavity in the  
placental and early puerperal period. Akush. i gin. 36 no.2:8-11  
Mr-Ap '60. (MIRA 13:12)

(UTERUS—EXAMINATION)

(LABOR, COMPLICATED)

ZHMAKIN, K.N.

Treatment of menstrual disorders. Klin.med. 38 no.1:30-34  
Ja '60. (MIRA 13:10)  
(MENSTRUATION)

ZHMAKIN, K.N., prof.

Joint plenary session of the administrative boards of medical  
societies of obstetricians and gynecologists and of pediatricians  
of the R.S.F.S.R. Akush.i gin, 35 no.6:97-100 N-D '59.

(MIRA 13:4)

(GYNECOLOGY)

(OBSTETRICS)

ZHMAKIN, K.N., prof. (Moskva)

Is extensive use of diagnostic puncture permissible in suspected ovarian cancer? (Concerning the article of V.V. Gamper and G.I.

Berkman in "Laboratornoe delo," no.6, 1958). Lab.delo 5 no.6:

6-8 H-D '59.

(MIRA 13:3)

(OVARIES--CANCER) (PUNCTURES (MEDICINE))

ZHMAKIN, K.N., prof.

"Gynecologic Surgery and Urology" by T. Ball. Reviewed by K. N. Zhmakin.  
Akush i gin. 34 no.6:123-124 N-D '58. (MIRA 12:1)  
(GENITOURINARY ORGANS—SURGERY)

ZHMAKIN, K.N., prof.

"Diagnosis and treatment of cancerous states of the female genitalia"  
by B.I. Beliaev. Sov.med. 22 no.4:153-154 Ap '58 (MIRA 11:7)  
(GENERATIVE ORGANS, FEMALE--CANCER)

ZHMAKIN, K.N.; OSTROVITYANOVA, L.V. (Moskva)

Work of the administration of the All-Russian Medical Society of  
Obstetricians and Gynecologists. Vop.okh.mat. 1 det. 3 no.3:84-88  
My-Je '58. (MIRA 11:5)  
(OBSTETRICS--SOCIETIES) (GYNESOLOGY--SOCIETIES)

ZHMAKIN, K.M., professor (Moskva)

Use of scalp forceps in modern obstetrics. Akush. i gin. 33 no.3:  
40-42 My-Je '57. (MLRA 10:8)  
(DELIVERY  
forceps (Rus))



~~ZHMAKIN, K.N.~~, professor (Moskva)

The First All-Russian Meeting of Gynecologists. Vop.okh.mat. i det.  
2 no.3:91-93 My-Je '57. (MLRA 10:7)  
(GYNECOLOGY)

ZHMAKIN, K.N., prof. (Moskva)

Indications and contraindications for vacuum extraction and its  
effect on mother and fetus. Akush. i gin. no.1:92-95 '65.  
(MIRA 18:10)

BLOSHANSKIY, Yu.M.; VANINA, I.V.; VIKHLYAYEVA, Ye.M.; ZHMAKIN, Konstantin Nikolayevich, prof.; LOTIS, V.M.; MAHUILOVA, I.A.; MOISEYENKO, M.D.; SYAO BI-LIAN' [Hsiao Pi-lien]; STRONGINA, T.N.; TRUYEVTSOVA, G.V.; SHAKHNOVSKAYA, V.P.; GARVEY, N.N., red.; NAVROTSKIY, O.G., tekhn. red.

[Physiology and pathology of the menstrual function] Fiziologiya i patologiya menstrual'noi funktsii. Otv. red. K.N. Zhmakin. Moskva, Pervyi Mosk. med. in-t, 1960. 174 p. (MIRA 14:5)

1. Sotrudniki kafedry akusherstva i ginekologii 1-go Moskovskogo ordena Lenina Meditsinskogo instituta im. I.M. Sechenova (for all except Garvey, Navrotskiy). (MENSTRUATION)

BODYAZHINA, Vera Il'ichna, prof.; ZHMAKIN, Konstantin Nikolayevich,  
prof.; GRYAZNOVA, I.M., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Textbook of gynecology] Uchebnik ginekologii. Moskva, Gos.  
izd-vo med. lit-ry, 1958. 366 p. (MIRA 12:1)

1. Kafedra akusherstva i ginekologii I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (for Bodyashina).
2. Zaveduyushchiy kafedroy akusherstva i ginekologii I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova (for Zhmakin).

(GYNECOLOGY)

ZHMAKIN, K.N., prof.

In the All-Russian Society of Obstetricians and Gynecologists.  
Zdrav. Ros. Feder. 2 no.8:46-47 Ag '58 (MIRA 11:9)  
(OBSTETRICS--SOCIETIES)  
(GYNECOLOGY--SOCIETIES)

ZHMAKIN, K.N., Prof. (Moskva)

Basic principles in treating inflammatory disease of the female genitalia. Sov.med. 23 no.10:3-10 0 '59.  
(GYNECOLOGICAL DISEASES therapy) (MIRA 13:2)

NESENCHUK, A.P.; ZIMAKIN, N.F.; SEL'DIN, M.I., *tech., retsenzent*;  
SMOL'SKIY, A.M., *inzh., retsenzent*; GLUKHOV, B.F., *kand.*  
*tekhn. nauk, retsenzent*; STEPANCHUK, V.F., *kand. tekhn.*  
*nauk, retsenzent*; VEYNIK, A.I., *prof., red.*

[Course design of industrial boiler systems] Kursovoe proek-  
tirovanie kotel'nykh us'tanovok promyshlennykh kotel'nykh.  
Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i pro-  
fessional'nogo obrazovaniya BSSR, 1963. 103 p.

(MIRA 1811)

S/081/61/000/001/004/017  
A005/A105

Translation from: Referativnyy zhurnal, Khimiya, 1961, No. 1, p. 279, # 1145

AUTHOR: Zhmakin, N.P.

TITLE: Investigation of the Heating Process of Moist Capillary-Porous Materials in an Electric HF-Field

PERIODICAL: "Sb.nauchn.tr.Berlorussk.politekh.in-t", 1959, No.74, pp. 141-157

TEXT: The author analytically and experimentally investigated the heating process of moist capillary-porous dielectrics and semiconductors by HF-currents. One can conditionally dismember the total heating cycle into three stages for approximate calculations: 1) heating of the moist body up to the boiling point of the moisture, and 2) elimination of the moisture at  $t = \text{const}$  and heating of the dry body. Equations are obtained for determining the time  $\tau$  required for the heating of the body up to the prescribed temperature  $t$ , for determining the body temperature and the body moisture at a given instant, and for determining the maximum vapor gauge pressure at different body points dependently on  $\tau$ . The application of the obtained equations is illustrated by a rated example. A.R.  
Translator's note: This is the full translation of the original Russian abstract.

Card 1/1



ZHMAKIN, N. P., Cand Tech Sci -- (diss) "Research into the process of heating moist capillary-porous materials in an electric field at high frequencies." Minsk, 1960, 20 pp; (Ministry of Higher and Secondary Specialist and Professional Education Belorussian SSR, Belorussian Polytechnic Inst im I. V. Stalin); number of copies not given; price not given; (KL, 21-60, 123)

ZHMAKIN, N.P., inzh.

Investigating the heating of moist capillary porous materials in  
high-frequency electric fields. Sbor. nauch. trud. Bel. politekh.  
inst. no.74:141-157 '59. (MIRA 13:8)  
(Dielectrics--Drying) (Semiconductors--Drying)

ZEMAKIN, N.P., inzh.

Calculating the drying time of wet materials dried by high frequency currents. Izv.vys.ucheb.sav.; energ. 3 no.4:100-103  
Ap '60. (MIRA 13:6)

1. Belorusskiy politekhnicheskiy institut. Predstavlena kafedroy  
teoreticheskoy i obshchey teplotekhniki.  
(Drying) (Induction heating)

ZHMAKIN, N.P.

Studying the process for heating damp materials with high-frequency currents. Dokl. AN BSSR 4 no.1:20-23 Ja '60.  
(MIRA 13:6)

1. Predstavleno akademikom AN BSSR N.S. Akulovym.  
(Electric heating)

USSR / Farm Animals, Cattle (Small)

Q-3

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7183

Author : V. I. Oryel, G. I. Smolina, T. Ye. Shilina, N.V. Zhma-  
kina, L.I. Prikhod'ko, V. I. Fedoseyeva, O.S. Shir-

Inst : Starvopol Agricultural Institute

Title : The Effect of Full Value Protein Feeding on the  
Thickness of the Wool of Soviet Merino Ewes Two to  
Twelve Months Old.

Orig Pub: Sb. nauchno-issled. rabot stud. Stavropol'sk. s-kh.  
in-t, 1956, vyp. 4, 79-81.

Abstract: With biologically full value protein feed the  
active growth of wool in young ewes occurs at the  
age of 2 weeks to six months.

Card 1/1

ZHMAKINA, N. I.

Method for determining available phosphorous in carbonate-rich  
light-colored chestnut soils in Volgograd Province. Pochvovedenie  
no.7:107-109 JI '62. (MIRA 15:10)

1. Volgogradskiy sel'skokhozyaystvennyy institut.

(Volgograd Province—Soils—Phosphorous content)

ZHMAKO, N.M.: IOSELEVA, M.A.

Stabilizing sand by salt mixtures entering into reaction with  
sodium silicates. Sbor.nauch. trud. Bel. politekh.inst. no.28:  
162-167 '60. (MIRA 13:11)  
(Salts) (Soil stabilization)

OSTROVSKIY, Yu.M.; ZHMAKINA, V.A.

Quantitative determination of  $\alpha$ -keto acids in the blood by the  
method of paper chromatography. Lab.delo 8 no.8:10-14 Ag '62.  
(MIRA 15:9)

1. Kafedra biokhimii Grodnenskogo meditsinskogo instituta i  
biokhimicheskaya laboratoriya Grodnenskoy oblastnoy bol'nitsy.  
(ACIDS) (PAPER CHROMATOGRAPHY)  
(BLOOD—ANALYSIS AND CHEMISTRY)



Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 8,  
pp 220-221 (USSR) 15-57-8-11604

AUTHORS: ~~Zhmako, N. M.~~, Drozd, P. A., Ioseleva, M. A.

TITLE: Stabilizing of Sands by Chemical Methods (Zakrepleniye  
peskov khimicheskimi metodami)

PERIODICAL: Sb. nauchn. rabot. Belorus. politekhn. in-t, 1956,  
Nr 54, pp 51-56

ABSTRACT: The authors have developed a new method for surface  
chemical stabilization of sandy soils. The method is  
based on use of a Na silicate solution. The basic  
binding substance in silicatization of sands is not  
silica gel but Ca (or Mg) hydrosilicate. This fact is  
confirmed by tests of B. A. Rzhanitsyn who, in ad-  
dition to Ca chloride, used solutions of other chlorine  
salts and obtained specimens which differed sharply  
in stability. It is not possible to form a hydrate of

Card 1/3

## Stabilizing of Sands (Cont.)

15-57-8-11604

Ca (or Mg) oxide by interaction of solutions of Na silicate and Ca (or Mg) chloride, since the hydrate is more soluble than Ca (or Mg) hydro-silicate. The nature of sand stabilizing by silicatization is based on the development, between the particles of sand, of a cement consisting of insoluble silicate with an amorphous structure and capable of producing specimens which are stable in water. Na silicate in the form of a solution of 2-normal and 2.5-normal concentration (with a silicate modulus of 2.7) was used for this purpose. Sulfuric acid salts of Mg, Zn and Al, Mn, Fe and Cu, used in the form of small crystals, served as the second component of the reaction. Crystal size was from 0.25 mm to 1 mm. Fine-grained sand was used, with particles of uniform diameters and a porosity of about 40 percent. A layer of sand 10 cm thick was mixed with a properly calculated amount of sulfuric acid salt, and a solution of Na silicate of appropriate concentration was poured over it. The crystals of the sulfuric acid salt, uniformly distributed in the sand, leave passages for the flow of the soluble silicate to the necessary

6ard 2/3

Stabilizing of Sands (Cont.)

15-57-8-11604

depth (10 cm); about four minutes are required for total penetration. The entire specimen hardens into a solid mass after 15 or 20 minutes. The specimens were taken out of the mold after three days and were immersed in water. They did not lose their stability even after a year's storage in water, were not changed during their submersion, and their permeability remained at 3 000 to 8 000 times below that of the initial sand specimens. Mg sulfate, used in the amount of 10 to 12 percent, is the cheapest and most suitable sulfuric acid salt for this work.

Card 3/3

E. G. Borisova

2 HMAKO N.M.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064830008-0

USSR/Chemical Technology. Chemical Products and Their

I-9

Application - Silicates. Glass. Ceramics. Binders.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12639

Author : Zhmako N.M., Drozd P.A., Ioseleva M.A.

Inst : Belorussian Polytechnic Institute

Title : On Frost Resistance of Sands Fixed by Chemical Methods

Orig Pub : Sb. nauch. rabot Belorus. politekhn. in-ta, 1956, No 54, 57-62

Abstract : Aqueous solutions of mixtures of sodium silicate and salts of divalent or trivalent metals (for example  $MgSO_4$ ), on being introduced into a sandy soil render the latter mechanically strong (critical point on compression up to 8 kg/cm<sup>2</sup>). Replacement of 1/3  $MgSO_4$  by technical boric acid increases strength of the sandy soil.

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>The transformations in the organic matter of marsh soils after draining and cultivation. N. M. Zhuravko and A. A. Iosadze. <i>Podzoly</i> (U. S. S. R.) 32, No. 3, 729-77 (in German 737-8) (1997).—Small types of marshes drainage and cultivation enhance the peat-forming process whereby the content of org. acids increases. Humic acids comprise 60% of the org. acids. Upon burning the drained peat the lignin content increases. With cultivation there is a loss of lignin and cellulose. Y. S. Iosadze</p>																			
METALLURGICAL LITERATURE CLASSIFICATION										SUBJECT INDEX									
<p>122083 417 007 001</p>										<p>001107001</p>									

SOV/112-58-1-500

Translation from: Referativnyy zhurnal, Elektrotehnika, 1958, Nr 1,  
pp 73-74 (USSR)

AUTHOR: Zhdanov, I. A., and Zhmarev, G. S.

TITLE: New Porcelain Low-Voltage Grain Filler Fuse Cutouts  
(Novyye farforovyye nizkovol'tnyye nasypnyye predokhraniteli)

PERIODICAL: V sb.: Raboty M-va elektrotekhn. prom-sti SSSR po mekhaniz. i  
avtomatiz. nar. kh-va, Z. M., 1956, pp 164-166

ABSTRACT: A description, a picture, and a mounting sketch with dimensions are presented of a new line of low-voltage porcelain grain-filler fuse cutouts, PN2 series, manufactured by Kursk Factory of Low-Voltage Equipment for rated currents of 100, 250, 400, and 600 amp. The new fuse cutouts are intended for AC standard-frequency installations up to 500 v, and differ from the older PNR line of the same factory in their smaller size, in porcelain-tube construction, contact blades, and fusible links, and also in their higher interrupting rating. The new cutout weighs 27.6-41.8% less than the older type, depending on the current rating. Also, it requires less steel and copper than the

Card 1/2

SOV/112-58-1-500

### New Porcelain Low-Voltage Grain-Filler Fuse Cutouts

older one. Unlike conventional round cross-section porcelain tubes, the new cutout has a square cross-section tube. Under test conditions, the new cutouts repeatedly interrupted 3-phase currents of 300-27,000 amp rms at 440 v, at power factor 0.12-0.2. The new cutout has a detachable handle for replacing fuse units.

R.S.D.

AVAILABLE: Library of Congress

1. Fuses (Electrical)--Performance
2. Electric relays--Design
3. Electric relays--Test results

Card 2/2



ZHMAY, L.A., inzh.; OLEVSKIY, V.M., kand. tekhn. nauk

Effect of pressure on the mass transfer in tubular film recti-  
fication columns. Khim. mashinostr. no.1:36-44 '65. (MIRA 18:9)



ZHMAY, L.A.; OLEVSKIY, V.M.; KADER, T.L.

Mass transfer in tubular wetted-wall rectification towers at  
reduced pressure. Khim.prom. 41 no.4:58-62 Ap '65. (MIRA 18:8)

ZHMAY, L.A.; OLEVSKIY, V.M.; Prinimali uchastiye: KARANT, T.I.; YAKOVLEVA,  
N.S.; SEMKINA, N.S.; SKAMEYKIN, V.I.

Mass exchange in tubular wetted-wall columns. Khim. prom. 40  
no.10;757-762 O '64. (MIRA 18:3)

ZHMAYEV, L.

What prevents us from working in a new way. Grazhd.av. 13 no.2:  
25 P '56. (MLRA 9:5)

(Aeronautics, Commercial)

SMORODINOV, M.I., kand. tekhn. nauk; ZHMAYEV, M.I., inzh.;  
FEDOROV, A.N., inzh.

Some problems of the design of machines for cutting frozen  
ground, and research objectives. Stroil. i dor. mash. 7 no.4:  
14-15 Ap '62. (MIRA 16:7)

(Frozen ground)

(Earthmoving machinery)

ZHMAYEV, N. m inzhener

Carrying off surface waters from airport runways. Grashd. av.  
12 no. 5:27 My '55. (MIRA 8;9)

(Airports) (Sewerage)

ZHMAYEVA A.M.

USSR/Virology - Rickettsias.

E-5

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67007

Author : Kulagin, S.M., Zhmaeva, A.M., Shekhanov, M.V., Pchalkina, A.A.

Inst : -

Title : The Characteristic of Nidus of a Tick Rickettsiose in the South-East of Turkmenia.

Orig Pub : Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 7, 114-121

Abstract : The presence of ticks *Hyalomma asiaticum* naturally infected by rickettsias was established in one of the districts. The isolated rickettsia strains are pathogenic for guinea pigs, white rats, young white mice (weight not more than 10 grams) and chick embryos. These strains are morphologically close to *Dermacentor sibiricus*, *D. murinum*, *D. conori* and are different from the latter in their ease toward polynuclearization. The authors ascribe the

Card 1/2

USSR/Virology - Rickettsias.

E-5

Abs Jour : Ref Zhur - Biol., No 15, 1958, 67007.

isolated rickettsias to a separate species of the genus  
Dermacentroxenus under the name of D. deserti pavlovskiy.  
Because of the presence under natural environment of hungry  
ticks H. asiaticum, infected with rickettsias and the  
transovarial transmission of infection, the authors think  
that the ticks are carriers.

Card 2/2

14

ACCESSION NR: AT4033982

S/0000/63/000/000/0037/0041

AUTHOR: Bogdanov, M. N.; Kalmykova, V. D.; Mandrosova, F. M.; Zhmayeva, I. V.; Okromchedlidze, N. P.; Sedykh, N. V.

TITLE: Synthesis and properties of fiber-forming polyalkyleneterephthalamides

SOURCE: Geterotsepnyye vysokomolekulyarnyye soyedineniya (Heterochain macromolecular compounds); sbornik statey. Moscow, Izd-vo "Nauka," 1963, 37-41

TOPIC TAGS: synthetic fiber, artificial silk, terephthalic acid, terephthalamide, polyalkylene terephthalamide, Alpha Omega diamine, Kapron

ABSTRACT: A large number of polyamides based on terephthalic acid and unbranched  $\alpha, \omega$ -diamines with 8-16 methylene groups in the chain were synthesized and investigated with respect to their thermomechanical properties. The methods and conditions of synthesis are described. Effective additives were the aromatic hydroxy compounds, such as the isomers of hydroxyphenyl- and hydroxydiphenylmethane, which in an amount of 30-50% gave spinnable high-molecular-weight polyamides resistant to crystallization up to 320-340°C. These are very suitable for spinning high-melting fibers. The limiting temperature of crystallization for polyamides from various terephthalates decreased to 280°C or below. The synthesized polyamides were high-melting, strong, white substances, soluble only in concentrated

Card 1/2



ACCESSION NR: AT4033982

H<sub>2</sub>SO<sub>4</sub>. The thermal stability of the resulting fibers was tested by strength loss at 140C. A comparison of the thermodynamic curves of synthesized high-melting monofilaments and polycapromide filaments showed that the differences in the relative variation of fiber length during heating are relatively small and the maximum difference in the temperature of incipient deformation does not exceed 40C. Fibers made from polyalkyleneterephthalamide, regardless of the much higher melting point, differ only slightly in thermal stability from Kapron fiber. The conditions of preparation and the properties (viscosity, melting points) of various polyalkyleneterephthalamides as well as the spinning conditions and fiber properties (strength, etc.) are tabulated. Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna (All-Union Scientific Research Institute of Synthetic Fibers)

SUBMITTED: 15May62

DATE ACQ: 30Apr64

ENCL: 00

SUB CODE: OC, MT

NO REF SOV: 005

OTHER: 014

Card 2/2

BOGDANOV, M.N.; SPIRINA, I.A.; ZHMAYEVA, I.V.; KALMYKOVA, V.D.

Synthesis and properties of some polyamides with reactive groups. Vysokom. soed. 5 no.12:1805-1808 D '63.

(MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

ZHMAJEVA, Z.M.; PCHELKINA, A.A.; KARULIN, B.Ye.

Q-fever in Turkmenistan. Vop.kraev.paraz.Turk.SSR 3:207-213 '62.  
(MIRA 16:4)

1. Institut epidemiologii i mikrobiologii imeni N.F.Gamaleya  
AMN SSSR, Moskva.

(TURKMENISTAN--Q FEVER)

"APPROVED FOR RELEASE: 07/19/2001

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APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064830008-0"

ZHMAJEVA, Z.M.

Ticks of the family Ixodidae in Serakhs District of the Turkmen  
S.S.R. Vop.kraev., ob.i eksp.paraz. i med. zool. 9:65-69 '55.

(MLRA 10:1)

1. Iz otdela parazitologii i meditsinskoy zoologii (zav. - akad.  
Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni  
N.F.Gamaleya (dir. - deystvitel'nyy chlen Akademii meditsinskikh  
nauk SSSR prof. G.V.Vygodchikov) Akademii meditsinskikh nauk SSSR.  
(SERAKHS DISTRICT--TICKS)

ZHIMAYEVA, Z. M., KUCHERUK, V. V., and SIDOROVA, UA.

"Self-Defense Measures of Small Rodents Against the Larva of Ixodidae Ticks."  
Proceedings of Inst. Epidem. and Microbiol. im. Gamaleya, 1954-56.

Division of Parasitology and Medical Zoology, Pavlovskiy, Yevgeniy Nikanorovich  
Active Member of Academy of Medical Sciences, USSR, head., Inst. Epidem. and  
Microbiol. im. Gamaleya, AMS USSR.

SO: Sum 1186, 11 Jan 57.

KUCHERUK, V.V.; SIDOROVA, G.A.; ZHMAIYVA, Z.M.

Self-protection of small rodents from larvae of ixodic ticks.  
Zool.shur. 34 no.4:948-950 J1-Ag '55. (MIRA 8:9)

1. Otdel parazitologii i meditsinskoy zoologii (zav.Ye.N.Pavlovskiy) Instituta epidemiologii i mikrobiologii imeni N.F. Gamaleya Akademii meditsinskikh nauk SSSR.  
(Rodentia--Diseases) (Ticks)



ЗНАМЕНОВА, З.М.

USSR, Moscow - 1955

Card 1/1 Pub. 1 - 1955

Authors : Znamenova, Z. M., and Karlin, B. Ye.

Title : Epidemiological significance of the parasites in the natural nidus of fever in south central USSR

Periodical : Dok. AN SSSR, 101/2, 387-389, Mar 11, 1955

Abstract : Medical data are presented on the Rickettsia-carrying characteristics

Microbiology

Presented by : Academician Ye. N. Pavlovskiy, May 25, 1954

ZIMAYEVA, Z.M.; MISHCHENKO, N.K.; POHNLKINA, A.A.

Spontaneous infection of *Hyalomma anatolicum* Koch with *Rickettsia burneti* in southern Kirghizistan. Zhur.mikrobiol.epid. 1 immun. 27 no.11:30-31 N '56. (MIRA 10:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.Y.Gamalei AMN SSSR.

(TICKS,

*Hyalomma anatolicum*, carriage of *Rickettsia burneti* (Rus)

(Q FEVER, transmission

by *Hyalomma anatolicum* (Rus))

PCHALKINA, A.A.; ZEMAYEVA, Z.M.; ZUBKOVA, R.I.

Q fever in northern Kazakhstan. Zhur.mikrobiol.epid. i immun. 27  
no.11:32-35 N '56. (MLRA 10:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni N.F.Ganalei  
AMN SSSR.

(Q FEVER, epidemiology,  
in Russia, in Kazakstan (Rus))

ZHMAYEVA, Z.M.; VOROB'YEV, K.P.; ARKHIPOVA, V.A.

On the distribution of ixodid ticks in Chardshou Province [with English summary in insert]. Zoel.zhur.35 no.5:700-704 My '56. (MLRA 9:9)

1.Otdel parazitologii i meditsinskoy zoologii (zav.--akad.Ye.N.Pavlevskiy)  
IEM AMN SSSR imeni N.F.Gamaleya.  
(Chardshou Province--Ticks)

ZHMAYEVA, Z.M.; KARULIN, B.Ye.; PCHELKINA, A.A.; SHEKHANOV, M.V.

Mammals as vectors of *Rickettsia burneti* - the causative agent of Q-fever. Dokl. AN SSSR 109 no.6:1127-1228 Ag '56. (MLRA 9:11)

1. Institut epidemiologii i mikrobiologii imeni N.F. Gamalaya Akademii Meditsinskikh nauk SSSR. Predstavleno akademikom Ye.N. Pavlovskim.  
(KAZAKHSTAN--Q FEVER) (RODENTS AS CARRIERS OF DISEASE)

ZHUNAYEVA, Z. M.

"Domestic Fowl as Carriers of Q Fever Rickettsia in the Turkmen SSR," by Z. M. Zhunayeva and A. A. Pchelkins, Institute of Epidemiology and Microbiology imeni N. F. Gamaleya, Academy of Medical Sciences USSR, Zhurnal Mikrobiologii, Epidemiologii, i Immunobiologii, No 3, Mar 57, H 39-41

The work reports on the discovery of Q fever and its pathogen, R burneti, in the Turkmen SSR by an expedition from the Institute of Epidemiology and Microbiology under P. A. Petrishchev in 1953. The pathogen was isolated from human patients, two species of ticks (*Hyalomma anatolicum* and *Ornithodoros tartakovsky*), one species of mites (*Leeuwenhoekia major*), and two species of susliks.

In 1954, studies were made of the epidemiological significance of domestic fowl in a region 70 km southwest of the Amu-Dar where two cases of positive complement fixation reactions had been reported. After elimination of any other contacts, the infection was traced to the consumption of raw eggs. Large numbers of the Argas persicus mite were found on the chickens; therefore, to prove the spontaneous carrying of rickettsia by chickens, suspensions of brain and kidney tissues from two roosters were prepared and 4 ml of the suspension injected into the abdominal cavities of two guinea pigs. Within 11 days, both animals developed a fever which lasted 14 days. Experiments were continued with various internal organs of guinea pigs, and examination showed light hyperemia of the lungs, an increase of the spleen to three or four times its normal size, and hyperemia of the kidneys. At the spot where the suspension had been injected subcutaneously into the leg, a serous-morrhagic infiltrate developed. Upon a second passage through the guinea pigs, conglomerates of cocciform rickettsia were found at the injection point.

The authors conclude that Q fever can be transmitted through the consumption of raw eggs and that chickens can form a reservoir of the Q fever pathogen. (U)

*Sum in 1451*

AULADIN, A.H.; ZHMAYEVA, Z.M.; SHEKHANOV, M.V.; PCHELIKINA, A.A.

Characteristics of a focus of tick-borne rickettsial disease in the  
southeastern part of Turkmenia. Zhur.mikrobiol.epid. i immun. 23  
no.7:114-121 J1 '57. (MIRA 10:10)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AN  
SSSR.

(RICKETTSIAL DISEASES, transmission,  
by ticks in Russia (Rus))

(TICKS,  
transm. of rickettsial dis. (Rus))



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ALEKSANYAN, A.B., prof.; BEZDENEZHNYKH I.S., doktor med. nauk;  
 BELYAKOV, V.D., doktor med. nauk; BESSMERTNYI, B.S., dokt.  
 med. nauk; VASHKOV, V.I., prof.; GROMASHEVSKIY, L.V.  
 prof.; YELKIN, I.I., prof.; ZHDANOV, V.M., prof.;  
 ZHMAIEVA, Z.M., kand. biol. nauk; KOVARSKIY, M.S., kand.  
 med. nauk; NABOKOV, V.A., prof.; NOVOCORODSKAYA, E.M.,  
 prof.; PAVLOVSKIY, Ye.N., akademik; PETRISHCHEVA, P.A.,  
 prof.; PERVOMAYSKIY, G.S., prof.; POGODINA, L.N.; ROGOZIN,  
 I.I., prof.; SUKHOVA, M.N., doktor biol. nauk; CHASOVNIKOV,  
 A.A., kand. med. nauk; SHATROV, I.I., prof.; SHURABURA,  
 B.L., prof.; YASHKUL', V.K., kand. med. nauk;  
 ZHUKOV-VEREZHNIKOV, N.N., prof., otv. red.; BOLDYREV, T.I.,  
 prof., red.; ZASUKHIN, D.N., doktor biol. nauk, red.;  
 KALINA, G.P., red.

[Multivolume manual on the microbiology, clinical aspects  
 and epidemiology of communicable diseases] Mnogotomnoe ru-  
 kovodstvo po mikrobiologii, klinike i epidemiologii infek-  
 tsionnykh boleznei. Moskva, Meditsina. Vol.5. 1965.  
 548 p. (MIRA 18:3)

1. Deystvitel'nyy chlen AMN SSSR (for Aleksanyan,  
 Gromashevskiy, Zhdanov, Zhukov-Verezhnikov). 2. Chlen-  
 korrespondent AMN SSSR (for Rogozin, Boldyrev).

ACC NR: AP6030340

(A,N)

SOURCE CODE: UR/0358/66/035/004/0470/0474

AUTHOR: Korshunova, O. S.; Katelina, A. F.; Zhmayeva, Z. M.; Myasnikov, Yu. A.

ORG: Department of Naturally Focal Diseases, Institute of Epidemiology and Microbiology im. N. F. Gamaleya (Otdel prirodnookhagovykh bolezney Instituta epidemiologii i microbiologii); Tula Regional Sanitary-Epidemiological Station (Tul'skaya oblastnaya sanepidstantsiya)

TITLE: Natural tick-borne typhus focus in the Tula region

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 4, 1966, 470-474

TOPIC TAGS: epidemiology, rickettsia disease, disease vector, *typhus, tick, animal parasite*

ABSTRACT: A new, natural focus of tick-borne typhus has been discovered in the Tula region and confirmed with complement-fixation tests on cows. *Dermacentor pictus* ticks inhabit the entire region (except large forests), feeding on elk and hares when mature and field mice or other small mammals before maturity. Mature ticks are prevalent from late April—late May and immature ticks from July—August. Rickettsia isolated from mature ticks collected in this region were identified as belonging to the species *Rickettsia sibirica*. Periovarian transmission of rickettsia

UDC: 616.981.711-036.21(470.312)

Card 1/2

ACC NR: AP6030340

during tick metamorphosis was established. Complement-fixing antibodies to *Rickettsia sibirica* were found in only 2 of 50 Tula inhabitants tested, which agrees with the normally rare infestation of man by *Dermacentor pictus*. [WA-50; CBE No. 12]

SUB CODE: 06/ SUBM DATE: 02Sep65/ ORIG REF: 008/

Card 2/2

GIBET, L.A.; ZHMAIEVA, Z.M.; BERMAN, D.I.

Birds and their role as fosterers of *Ixodes persulcatus* in a natural focus of the tick-borne encephalitis in Kalinin Province. Zool. zhur. 44 no.2:228-240 '65. (MIRA 18:5)

1. Otdel infektsiy s prirodnoy ochagovost'yu Instituta epidemiologii i mikrobiologii AMN SSSR, Moskva.

ZHMAYEVA, Z.M.; PETRISHCHEVA, P.A.; PCHELKINA, A.A.

Blood-sucking ticks as carriers of Q fever pathogens in various  
types of landscape zones of the U.S.S.R. Zhur.mikrobiol., epid. 1  
immun. 41 no.5:28-33 My '64. (MIRA 18:2)

1. Institut epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.